JTP-4G300M   Cellular Router

Introduction

The JTP-4G300M is a cost-effective wireless communication outdoor product developed to meet the demands of 4G network connectivity. It provides universal access to 4G networks, offering full compatibility with 4G/3G/2G networks. With a high WiFi wireless rate of up to 300Mbps, it is capable of meeting the internet needs of outdoor devices. This product is widely applied in the Internet of Things (IoT) communication industry, offering users wireless long-distance data monitoring, collection, and transmission capabilities.

Features
- Default 4G Access Mode, Plug and Play
- IP65 Rated
- TR069 Remote Management
- 300Mbps Wireless Rate

CE FC RoHS

Specifications

Items		JTP-4G300M
PORT	Ports&Interface	1*GE RJ45 WAN+1*GE RJ45 LAN SIM card
Hardware	Flash memory	2MB
Hardware	DDRIII capacity	8MB
Button	Reset button	≥3s : restore factory settings
Performance	Wireless speed	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: 300Mbps
Performance	Antenna	4G: Internal 2x2 5dBi antenna Wifi 2.4G: Internal 2x2 5dBi Omnidirectional antenna
Performance	Frequency band	2.4G: 2.412~2.472GHz 5.8G: 5.150GHz~5.250GHz, 5.7250GHz~5.8250GHz
Performance	Channel	2.4G: 1~13 5.8G: 36,40,44,48,149,153,157,161,165
Performance	Receiver sensitivity	802.11b: <-84dbm@11Mbps； 802.11g: <-69dbm@ 54Mbps； 802.11n: HT20<-67dbm HT40: <-64dbm
Performance	RF POWER	802.11b: 18dBm@ 1~11Mbps 802.11g: 16dBm @ 6~54Mbps 802.11n: 15dBm@ MCS0~7
Performance	Modulation type	802.11b: DSS: CCK@5.5/11Mbps, DQPSK@2Mbps, DBPSK@1Mbps 802.11g: OFDM: 64QAM@48/54Mbps, 16QAM@24Mbps, QPSK@12/18Mbps, BPSK@6/9Mbps 802.11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM
4G	Network Standard	LTE FDD/TDD, UMTS DC-HSDPA/HSUPA/WCDMA, GSM EDGE/GPRS
4G	LTE-FDD	B1/B3/B5/B8
4G	LTE-TDD	B34/B38/B39/B40/B41
4G	WCDMA	B1/B5/B8
4G	GSM	900/1800MHz
4G	RF POWER	Class 3 (23dBm±2dB) for LTE FDD bands/LTE TDD bands Class 3 (24dBm+1/-3dB) for WCDMA bands Class E2 (27dBm±3dB) for EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800
4G	Receiver sensitivity	FDD B1: -99dBm (10M) FDD B3: -99dBm (10M) FDD B5: -100dBm (10M) FDD B8: -100dBm (10M) TDD B34: -98dBm (10M) TDD B38: -100dBm (10M) TDD B39: -98dBm (10M) TDD B40: -99dBm (10M) TDD B41: -99dBm (10M) WCDMA B1: -110dBm WCDMA B5: -110dBm WCDMA B8: -110dBm EGSM900: -108dBm DCS1800: -108dBm

Power supply	Power input	DC 12V
	System power consumption	≦10W
Mechanical	IP Rating	IP65
	LED	● Power ● WLAN / LAN ● WIFI ● 4G / 3G
Environment	Operating Temperature	-10ºC to 50ºC
	Storage Temperature	-40ºC to 70ºC
	Humidity	5% to 90%(non-condensing)
Certifications	Certifications	CE; FCC; RoHS

Software Features

Items	JTP-4G300M
Features — Work mode	Router Mode AP Mode
Maximum number of connected users	30
WLAN	WiFi Basic Parameter Configuration Security Mechanism: WPA/WPA2 (WPA-PSK using TKIP or AES)
Network Configuration	Operating Mode, LAN/WAN Address Configuration, APN (Access Point Name) Settings
Data Assistant	Data Usage Statistics Package Settings Data Usage Control
Management & maintenance	Change password NTP TR069 network detection Upgrade Reboot Factory reset syslog

Order Information

Model	Description
JTP-4G300M	2-port (1*GE WAN+1*GE LAN) 4G Cellular Router